

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5707	435/006	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:11
L2	12	I1 AND JENSEN AND HAMMER	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:15
L3	216849	(Lactic adj acid adj bacteria) or Bacillus or (E adj coli) or (Escherichia adj coli) or pseudomonas or yeast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:34
L4	12	L3 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:19
L5	3705	L1 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:19
L6	159354	(Lactic adj acid adj bacteria) or Bacillus or (E adj coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceae or prokaryotic or procaryotic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:45
L7	155116	eukaryotic or eucaryotic or yeast or (saccharomyces adj cerevisiae) or (S adj cerevisiae) or (saccharomyces)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:13
L8	6716	L7 and (promoter or (promoter near library) or (promoter near set)) and ((TATA adj box) or (upstream adj activator adj sequence) or (UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:51
L9	3929	L8 and consensus and (spacer with vari\$3) or (linker with vari\$3) or (flanking with vari\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:47

L10	6467	L8 and consensus and (spacer with varia\$3) or (linker with varia\$3) or (flanking with varia\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:48
L11	6095	L8 and consensus and (spacer with (varied or variable)) or (linker with (varied or variable)) or (flanking with (varied or variable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:49
L12	8008	L7 and (promoter or (promoter near library) or (promoter near set)) and ((TATA) or (upstream adj activator) or (UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:10
L13	6176	L7 and ((UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:52
L14	134109	yeast or (saccharomyces adj cerevisiae) or (cerevisiae) or (saccharomyces)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:52
L15	6176	L13 and ((UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:53
L16	146	L1 and ((UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:53
L17	4256	L14 and ((UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:53
L18	430	L14 and ((UAS) or UASGCN4p or GCN4p) and (promoter adj library) or (promoter near set)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:05
L19	794	L14 and ((UAS) or UASGCN4p or GCN4p) and (promoter adj library) or (promoter near set) and ((variable or varied) near flanking) or ((varied or variable) near spacer) or ((varied or variable) near linker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 09:57

L21	89	L18 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:06
L22	277	L14 and ((UAS) or UASGCN4p or GCN4p) and (promoter adj library) or (promoter adj set)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:15
L23	73	L22 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:52
L24	15	(TATAAT or TTGACA or activator) and (promoter adj library)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:17
L25	155136	L24 and (Lactic adj acid adj bacteria) or Bacillus or (E adj coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceae or prokaryotic or procaryotic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:50
L29	113213	L24 and (Lactic adj bacteria) or Bacillus or ("E.coli") or (Escherichia adj coli) or pseudomonas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 10:52
L30	46811	L29 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:09
L31	14	L24 and l3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:03
L32	1	L31 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:14
L33	16313	(promoter or (promoter adj library)) and ((TATA) or (upstream adj activator) or (UAS) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:11

L34	7742	(promoter or (promoter adj library)) and ((TATA) or (upstream adj activator) or (UAS!)) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:20
L35	772	L34 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:13
L36	133621	yeast or (saccharomyces adj cerevisiae) or ("S.cerevisiae") or (saccharomyces)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:14
L37	54149	L36 and @py<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:14
L38	546	L37 and L34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:15
L39	13	((promoter adj library)) and ((TATA) or (upstream adj activator) or (UAS!)) or UASGCN4p or GCN4p)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:21
L40	0	L39 and L37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/16 11:21

Dialog search
09/242,657
LLM 6/16/05

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

(c) 2003 Dialog, a Thomson business. All rights reserved.

/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

(c) 2003 Dialog, a Thomson business. All rights reserved.

/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

16jun05 10:34:40 User276741 Session D10.1
\$0.00 0.218 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.05 TELNET
\$0.05 Estimated cost this search
\$0.05 Estimated total session cost 0.218 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2005/Jun W1
 (c) 2005 BIOSIS
File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
 (c) 2005 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2005/May
 (c) 2005 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2005/May
 File 50:CAB Abstracts 1972-2005/May
 (c) 2005 CAB International
 File 65:Inside Conferences 1993-2005/Jun W2
 (c) 2005 BLDSC all rts. reserv.
 File 71:ELSEVIER BIOBASE 1994-2005/Jun W1
 (c) 2005 Elsevier Science B.V.
 File 73:EMBASE 1974-2005/Jun 16
 (c) 2005 Elsevier Science B.V.
 File 91:MANTIS(TM) 1880-2005/May
 2005 (c) Action Potential
 File 94:JICST-EPlus 1985-2005/Apr W4
 (c) 2005 Japan Science and Tech Corp(JST)
 File 98:General Sci Abs/Full-Text 1984-2004/Dec
 (c) 2005 The HW Wilson Co.
 File 110:WasteInfo 1974-2002/Jul
 (c) 2002 AEA Techn Env.
***File 110: This file is closed (no updates)**
 File 135:NewsRx Weekly Reports 1995-2005/Jun W1
 (c) 2005 NewsRx
***File 135: New newsletters are now added. See Help News135 for the complete list of newsletters.**
 File 143:Biol. & Agric. Index 1983-2005/May
 (c) 2005 The HW Wilson Co
 File 144:Pascal 1973-2005/Jun W1
 (c) 2005 INIST/CNRS
 File 155:MEDLINE(R) 1951-2005/Jun W2
 (c) format only 2005 The Dialog Corp.
 File 164:Allied & Complementary Medicine 1984-2005/Jun
 (c) 2005 BLHCIS
 File 172:EMBASE Alert 2005/Jun 15
 (c) 2005 Elsevier Science B.V.
 File 185:Zoological Record Online(R) 1978-2005/Jun
 (c) 2005 BIOSIS
 File 357:Derwent Biotech Res. _1982-2005/Jun W2
 (c) 2005 Thomson Derwent & ISI
 File 369:New Scientist 1994-2005/Apr W4
 (c) 2005 Reed Business Information Ltd.
 File 370:Science 1996-1999/Jul W3
 (c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current information.**
 File 391:Beilstein Reactions 2005/Q1
 (c) 2005 Beilstein GmbH
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 467:ExtraMED(tm) 2000/Dec
 (c) 2001 Informania Ltd.
***File 467: F467 no longer updates; see Help News467.**

7.

Set	Items	Description
?	s	(promoter (w) library) and ((TATA) or (upstream (w) activator) or (UAS) or UASGCN4p or GCN4p) or (TATAAT or TTGACA or activator)
	666649	PROMOTER
	401544	LIBRARY
	129	PROMOTER(W) LIBRARY
	50527	TATA
	261076	UPSTREAM
	360431	ACTIVATOR
	2910	UPSTREAM(W) ACTIVATOR

```

5182 UAS
0 UASGCN4P
361 GCN4P
351 TATAAT
263 TTGACA
360431 ACTIVATOR
S1 360935 (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W)
ACTIVATOR) OR (UAS) OR UASGCN4P OR GCN4P) OR (TATAAT OR
TTGACA OR ACTIVATOR)
? s (promoter (w) library) and ((TATA) or (upstream (w) activator) or (UAS) or
UASGCN4p or GCN4p)
666649 PROMOTER
401544 LIBRARY
129 PROMOTER(W)LIBRARY
50527 TATA
261076 UPSTREAM
360431 ACTIVATOR
2910 UPSTREAM(W)ACTIVATOR
5182 UAS
0 UASGCN4P
361 GCN4P
S2 2 (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W)
ACTIVATOR) OR (UAS) OR UASGCN4P OR GCN4P)
? s (TATAAT or TTGACA or activator) and (promoter (w) library)
351 TATAAT
263 TTGACA
360431 ACTIVATOR
666649 PROMOTER
401544 LIBRARY
129 PROMOTER(W)LIBRARY
S3 2 (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (W)
LIBRARY)
? s3 and (Lactic (w) bacteria) or Bacillus or ("E.coli") or (Escherichia (w)
coli) or pseudomonas
Processing
Processed 10 of 25 files ...
Processing
Completed processing all files
22725782 3
192501 LACTIC
2670107 BACTERIA
1200 LACTIC(W)BACTERIA
346649 BACILLUS
50 E.COLI
1237889 ESCHERICHIA
1322430 COLI
1227194 ESCHERICHIA(W)COLI
386864 PSEUDOMONAS
S4 1805587 3 AND (LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR
(ESCHERICHIA (W) COLI) OR PSEUDOMONAS
? Sending Break...
?s s3 and (Lactic (w) bacteria) or Bacillus or ("E.coli") or (Escherichia (w)
coli) or pseudomonas
2 S3
192501 LACTIC
2670107 BACTERIA
1200 LACTIC(W)BACTERIA
346649 BACILLUS
50 E.COLI
1237889 ESCHERICHIA
1322430 COLI

```

```

1227194  ESCHERICHIA (W) COLI
386864   PSEUDOMONAS
S5 1805406 S3 AND (LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR
        (ESCHERICHIA (W) COLI) OR PSEUDOMONAS
?
? s s5 not py>1997
Processing
Processed 10 of 25 files ...
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Completed processing all files
1805406  S5
32453932 PY>1997
S6 1233886 S5 NOT PY>1997
? s yeast or (saccharomyces (w) cerevisiae) or ("S.cerevisiae") or
(saccharomyces)
683073  YEAST
376695  SACCHAROMYCES
361632  CEREVISIAE
354849  SACCHAROMYCES (W) CEREVISIAE
13      S.CEREVISIAE
376695  SACCHAROMYCES
S7 812452 YEAST OR (SACCHAROMYCES (W) CEREVISIAE) OR
        ("S.CEREVISIAE") OR (SACCHAROMYCES)
? s s7 and s1
812452  S7
360935  S1
S8 17568 S7 AND S1
? s8 not py>1997
Sending Break...
?s s8 not py>1997
Processing
Processed 10 of 25 files ...
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Completed processing all files
17568   S8
32453932 PY>1997
S9 9697  S8 NOT PY>1997
? type s2/medium, k

```

2/K/1 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

04737102 Genuine Article#: UE086 No. References: 59

**Title: CHARACTERIZATION OF THE DISTAL PROMOTER ELEMENT OF HALOBACTERIA
IN-VIVO USING SATURATION MUTAGENESIS AND SELECTION**

Author(s): BANNER S; SOPPA J

Corporate Source: MAX PLANCK INST BIOCHEM, KLOPFERSPITZ 18A/D-82152

MARTINSRIED//GERMANY//; MAX PLANCK INST BIOCHEM/D-82152

MARTINSRIED//GERMANY/

Journal: MOLECULAR MICROBIOLOGY, 1996, V19, N6 (MAR), P1265-1276

ISSN: 0950-382X

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: of the transcriptional start site of the ferredoxin (fdx)
promoter of Halobacterium salinarum, This randomized **promoter**
library containing 4(14) entries was cloned in front of the
dihydrofolate reductase (DHFR) reporter gene...

...Identifiers--FREE TRANSCRIPTION; 3' UNTRANSLATED REGION; ARCHAEBACTERIUM

HALOFERAX-VOLCANII; COMPLETE NUCLEOTIDE-SEQUENCE; MESSENGER-RNA;
 DIHYDROFOLATE-REDUCTASE; **TATA** BOX;
 METHANOCOCCUS-THERMOLITHOTROPHICUS; HALOPHILIC ARCHAEABACTERIA;
 MUTATIONAL ANALYSIS
 ? s (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W)ACTIVATOR) OR (UAS) OR
 UASGCN4P OR GCN4P) OR (TATAAT OR TTGACA)

666649 PROMOTER
 401544 LIBRARY
 129 PROMOTER(W)LIBRARY
 50527 TATA
 261076 UPSTREAM
 360431 ACTIVATOR
 2910 UPSTREAM(W)ACTIVATOR
 5182 UAS
 0 UASGCN4P
 361 GCN4P
 351 TATAAT
 263 TTGACA

S10 526 (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM
 (W)ACTIVATOR) OR (UAS) OR UASGCN4P OR GCN4P) OR (TATAAT
 OR TTGACA)

? s (s10 and s7) not py>1997

Processing

Processed 10 of 25 files ...

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Completed processing all files

526 S10
 812452 S7
 32453932 PY>1997

S11 14 (S10 AND S7) NOT PY>1997

? type s11/free all

>>>'ALL' not allowed as format type

? type s11/free/all

11/8/1 (Item 1 from file: 5)

0004594136 BIOSIS NO.: 198579013035

2 DIFFERENT TYPES OF INTERVENING SEQUENCES IN THE GLUCOAMYLASE EC-3.2.1.3
 GENE FROM ASPERGILLUS-NIGER

1984

11/8/2 (Item 1 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

05969004 Genuine Article#: XL287 Number of References: 23

**Title: The recA gene from Streptomyces rimosus R6: Sequence and expression
 in Escherichia coli (ABSTRACT AVAILABLE)**

Publication date: 19970600

Journal Subject Category: MICROBIOLOGY

Descriptors--Author Keywords: streptomycetes ; DNA ; recombination ;
 secondary structure ; SEP promoter

Identifiers--KeyWord Plus(R): INTRAPLASMID RECOMBINATION; PROTEIN;
 LIVIDANS; CLONING; INSTABILITY; DEFICIENT; BACTERIA; MUTANTS

Research Fronts: 95-2642 003 (GENES ENCODING BRANCHED-CHAIN ALPHA-KETO
 ACID DEHYDROGENASE; JADOMYCIN-B BIOSYNTHESIS IN STREPTOMYCES-VENEZUELAE
 ISP5230; MINIMAL REPLICON)

95-5061 002 (STRUCTURAL GENE; GLTC-DEPENDENT REGULATION OF
 BACILLUS-SUBTILIS GLUTAMATE SYNTHASE EXPRESSION; ARABIDOPSIS TYPE-1
 PROTEIN PHOSPHATASE)

95-6860 001 (MEIOTIC RECOMBINATION; DNA STRAND EXCHANGE; RECA PROTEIN;

MEIOSIS IN YEAST)

11/8/3 (Item 2 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

04607188 Genuine Article#: TW477 Number of References: 56

Title: THE FRUCTOKINASE FROM RHIZOBIUM-LEGUMINOSARUM BIOVAR TRIFOLII BELONGS TO GROUP-I FRUCTOKINASE ENZYMES AND IS ENCODED SEPARATELY FROM OTHER CARBOHYDRATE-METABOLISM ENZYMES (Abstract Available)

Journal Subject Category: MICROBIOLOGY

Descriptors--Author Keywords: RHIZOBIUM LEGUMINOSARUM BV TRIFOLII ; FRUCTOKINASE ; SEQUENCE ANALYSIS

Identifiers--KeyWords Plus: ESCHERICHIA-COLI; NUCLEOTIDE-SEQUENCE; PHOSPHOENOLPYRUVATE CARBOXYKINASE; SUCROSE METABOLISM; MOLECULAR ANALYSIS; ENTERIC BACTERIA; GENE; PURIFICATION; DNA; PROTEIN

Research Fronts: 94-2361 001 (RHIZOBIUM STRAINS; NUMERICAL TAXONOMY; RAPID IDENTIFICATION)

94-3070 001 (RAT SKELETAL-MUSCLE; DEVELOPMENTAL REGULATION; YEASTO SACCHAROMYCES - CEREVISIAE)

94-4806 001 (GENE ORGANIZATION; LONG-CHAIN FATTY-ACID TRANSPORT; TRANSCRIPTION FACTOR)

11/8/4 (Item 3 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

02978334 Genuine Article#: MW989 Number of References: 46

Title: MOLECULAR CHARACTERIZATION OF AN NAD-SPECIFIC GLUTAMATE-DEHYDROGENASE GENE INDUCIBLE BY L-GLUTAMINE - ANTISENSE GENE PAIR ARRANGEMENT WITH L-GLUTAMINE-INDUCIBLE HEAT-SHOCK 70-LIKE PROTEIN GENE (Abstract Available)

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY

Identifiers--KeyWords Plus: COMPLETE NUCLEOTIDE-SEQUENCE; CORTICOTROPIN ACTH RECEPTOR; ESCHERICHIA-COLI; MESSENGER-RNA; SACCHAROMYCES - CEREVISIAE ; BINDING-SITE; AMINO-ACIDS; COMPLEMENTARY; DNA; EXPRESSION

Research Fronts: 92-4812 003 (PUTATIVE ANAEROBIC COPROPORPHYRINOGEN-III OXIDASE IN RHODOBACTER-SPHAEROIDES; TRANSCRIPTIONAL REGULATORY ELEMENT; FUNCTIONAL EXPRESSION)

92-6459 001 (SMALL SUBUNIT RIBOSOMAL-RNA GENE; SEQUENCE HOMOLOGY; PRIMARY STRUCTURE OF THE MURINE ADENOVIRUS TYPE-1 PROTEINASE)

11/8/5 (Item 4 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

02935146 Genuine Article#: MQ381 Number of References: 46

Title: MOLECULAR CHARACTERIZATION OF THE PROMOTER OF OSMY, AN RPOS-DEPENDENT GENE (Abstract Available)

Journal Subject Category: MICROBIOLOGY

Identifiers--KeyWords Plus: OSMOREGULATED KDP OPERON; ESCHERICHIA-COLI; STATIONARY-PHASE; OSMOTIC REGULATION; BACTERIOPHAGE-LAMBDA; SIGNAL TRANSDUCTION; EXPRESSION; TRANSCRIPTION; PROU; PROTEIN

Research Fronts: 92-1945 001 (1.8 ANGSTROM RESOLUTION; PROTEIN DNA RECOGNITION; X-RAY CRYSTAL-STRUCTURE; CRYSTALLOGRAPHIC REFINEMENT)

92-3255 001 (GLYCINE BETAINE; GROWTH OF ESCHERICHIA-COLI; COMPATIBLE SOLUTES; ORGANIC OSMOLYTE ACCUMULATION; PROLINE BIOSYNTHESIS; SALT TOLERANCE IN YEAST)

92-4812 001 (PUTATIVE ANAEROBIC COPROPORPHYRINOGEN-III OXIDASE IN RHODOBACTER-SPHAEROIDES; TRANSCRIPTIONAL REGULATORY ELEMENT; FUNCTIONAL

EXPRESSION)

11/8/6 (Item 5 from file: 34)

DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

01351224 Genuine Article#: GR075 Number of References: 47

**Title: CHARACTERIZATION OF THE 5' FLANKING REGION OF THE ESCHERICHIA-COLI
PPA GENE ENCODING INORGANIC PYROPHOSPHATASE - MUTATIONS IN THE
RIBOSOME-BINDING SITE DECREASE THE LEVEL OF PPA MESSENGER-RNA** (Abstract Available)

Journal Subject Category: MICROBIOLOGY

Identifiers--KeyWords Plus: DIRECTED MUTAGENESIS; DNA-SYNTHESIS; **YEAST**;
PROMOTER; CONSERVATION; K-12; INHIBITION; SYNTHETASE; SEQUENCES;
FIDELITY

Research Fronts: 89-1447 004 (DEVELOPMENTALLY REGULATED GENE; CAPPING
PROTEIN; CDNA SEQUENCE; GENOME ORGANIZATION)

89-5843 001 (LACZ GENE IN ESCHERICHIA-COLI; IMMUNITY REGION;
NUCLEOTIDE-SEQUENCE ANALYSIS)

89-6184 001 (ESCHERICHIA-COLI PROMOTERS; REGULATION OF TRANSCRIPTION;
ERWINIA-CHRYSANTHEMI GENE ENCODING 2-KETO-3-DEOXYGLUCONATE PERMEASE)

89-6291 001 (GILL ATPASE ACTIVITY IN PROCAMBARUS-CLARKII; DYNAMIC
COLLAGEN GEL SYSTEM; EXTERNAL CALCIUM REQUIREMENTS)

89-7431 001 (ESCHERICHIA-COLI RNA-POLYMERASE; PROMOTER RECOGNITION;
INITIATION OF TRANSCRIPTION)

11/8/7 (Item 1 from file: 73)

02689934 EMBASE No: 1984108893

**Role of an upstream regulatory element in leucine repression of the
Saccharomyces cerevisiae leu2 gene**
1984

11/8/8 (Item 1 from file: 98)

DIALOG(R)File 98:(c) 2005 The HW Wilson Co. All rts. reserv.

03546279 H.W. WILSON RECORD NUMBER: BGSI97046279 (USE FORMAT 7 FOR
FULLTEXT)

**Transcriptional control of the Pseudomonas TOL plasmid catabolic operons is
achieved through an interplay of host factors and plasmid-encoded
regulators.**

WORD COUNT: 14404

DESCRIPTORS:

Aromatic compounds--Biodegradation; Plasmids; Pseudomonas; Transcription
factors
'97 (19970000)

11/8/9 (Item 2 from file: 98)

DIALOG(R)File 98:(c) 2005 The HW Wilson Co. All rts. reserv.

03051072 H.W. WILSON RECORD NUMBER: BGSA95051072 (USE FORMAT 7 FOR
FULLTEXT)

**Genetics, physiology, and evolutionary relationships of the genus Buchnera:
intracellular symbionts of aphids.**

WORD COUNT: 16257

DESCRIPTORS:

Evolution--Bacteria; Plant lice; Insect-bacterial symbiosis; Buchnera;
Bacterial genetics; Metabolism--Tryptophan; Metabolism--Methionine;
Metabolism--Cysteine
1995 (19950000)

11/8/10 (Item 1 from file: 144)
DIALOG(R) File 144: (c) 2005 INIST/CNRS. All rts. reserv.

13079138 PASCAL No.: 97-0370694
**Etude moleculaire de la fermentation malolactique chez Leuconostoc oenos
(Oenococcus oeni) en vue de l'amelioration des levains malolactiques
(Molecular study of the malolactic fermentation in Leuconostoc oenos
(Oenococcus oeni) to improve the malolactic starters) 1996-12; 1996**

English Descriptors: Leuconostoc oenos; Malolactic fermentation; Wine
making; Gene; Gene expression; Genome organization; Mutation;
Fermentation starter; Regulation(control)
Broad Descriptors: Streptococcaceae; Micrococcales; Bacteria; Malolactic
acid bacteria; Enzyme; Streptococcaceae; Micrococcales; Bacterie;
Bacterie malolactique; Enzyme; Streptococcaceae; Micrococcales; Bacteria;
Bacteria malolactica; Enzima

French Descriptors: Leuconostoc oenos; Fermentation malolactique;
Vinification; Gene; Expression genique; Organisation genome; Mutation;
Levain; Regulation; Malolactic enzyme; Malate permease

Classification Codes: 002A35C03; 002A31B01C; 215
Copyright (c) 1997 INIST-CNRS. All rights reserved.

11/8/11 (Item 1 from file: 155)
DIALOG(R) File 155: (c) format only 2005 The Dialog Corp. All rts. reserv.

09047251 PMID: 2196161
Sequence signals in eukaryotic upstream regions.
1990

Descriptors: *Cells--metabolism--ME; *Eukaryotic Cells--metabolism--ME;
*Transcription, Genetic; Animals; Base Sequence; Gene Expression Regulation
; Humans; Molecular Sequence Data; Nucleic Acid Conformation; Promoter
Regions (Genetics); Transcription Factors--genetics--GE
CAS Registry No.: 0 (Transcription Factors)

11/8/12 (Item 2 from file: 155)
DIALOG(R) File 155: (c) format only 2005 The Dialog Corp. All rts. reserv.

07005776 PMID: 6204865
**Two different types of intervening sequences in the glucoamylase gene
from Aspergillus niger.**
Jul 1984

Descriptors: *Aspergillus niger--genetics--GE; *RNA Processing,
Post-Transcriptional; Amino Acid Sequence; Amylases--genetics--GE;
Aspergillus niger--enzymology--EN; Base Sequence; Gene Expression
Regulation; Genes, Structural; Operon
Molecular Sequence Databank No.: GENBANK/K02466
Enzyme No.: EC 3.2.1.- (Amylases)

11/8/13 (Item 3 from file: 155)

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

06908212 PMID: 6321998

Role of an upstream regulatory element in leucine repression of the
Saccharomyces cerevisiae leu2 gene.

Feb 23-29 1984

Tags: Research Support, U.S. Gov't, P.H.S.

Descriptors: *Alcohol Oxidoreductases--genetics--GE; *Gene Expression
Regulation; *Leucine--genetics--GE; * Saccharomyces cerevisiae --genetics
--GE; Base Sequence; DNA Transposable Elements; DNA, Fungal--genetics--GE;
Enzyme Repression; Genes, Regulator

CAS Registry No.: 0 (DNA Transposable Elements); 0 (DNA, Fungal);
61-90-5 (Leucine)

Enzyme No.: EC 1.1 (Alcohol Oxidoreductases); EC 1.1.1.85
(3-isopropylmalate dehydrogenase)

11/8/14 (Item 1 from file: 434)

DIALOG(R)File 434:(c) 1998 Inst for Sci Info. All rts. reserv.

05731972 Genuine Article#: SM689 Number of References: 22

Title: DEOXYDECANUCLEOTIDE HETERODUPLEX D(TTTTATAATAAAA).D(TTTATTATAAAA)
CONTAINING THE PROMOTER PRIBNOW SEQUENCE TATAAT .1. DOUBLE-HELIX
STABILITY BY UV SPECTROPHOTOMETRY AND CALORIMETRY

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY

Research Fronts: 84-0234 001 (SYNTHESIS OF DNA, C-DNA AND NUCLEOTIDES BY
THE PHOSPHOTRIESTER APPROACH AND OTHER METHODS)

84-2565 001 (NUCLEOTIDE-SEQUENCES, DNA STRUCTURE AND GENE EXPRESSION IN
ESCHERICHIA-COLI, YEAST AND OTHER SYSTEMS)

84-5353 001 (STRUCTURE AND FUNCTION OF LEFT-HANDED DNA OR Z-DNA)

84-5415 001 (SEPARATION OF OLIGODEOXYNUCLEOTIDES AND OLIGONUCLEOTIDES
WITH HIGH-PERFORMANCE-LIQUID-CHROMATOGRAPHY)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S12 13 RD (unique items)

? type/medium,k/6,11

12/K/6 (Item 5 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2005 Inst for Sci Info. All rts. reserv.

01351224 Genuine Article#: GR075 No. References: 47

Title: CHARACTERIZATION OF THE 5' FLANKING REGION OF THE ESCHERICHIA-COLI
PPA GENE ENCODING INORGANIC PYROPHOSPHATASE - MUTATIONS IN THE
RIBOSOME-BINDING SITE DECREASE THE LEVEL OF PPA MESSENGER-RNA

Author(s): LAHTI R; PERALA M; HEIKINHEIMO P; PITKARANTA T; KUKKOKALSKE E;
HEINONEN J

Corporate Source: UNIV TURKU,DEPT BIOCHEM/SF-20500 TURKU 50//FINLAND/

Journal: JOURNAL OF GENERAL MICROBIOLOGY, 1991, V137, NOV, P2517-2523

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: decreased to 20% of the wild-type, whereas by the change of
teh -10 sequence, TATAAT, to TTTAAT or TATAAA, the ppa gene was
totally inactivated. Furthermore, when the ribosome-binding...

...Identifiers--DIRECTED MUTAGENESIS; DNA-SYNTHESIS; YEAST; PROMOTER;
CONSERVATION; K-12; INHIBITION; SYNTHETASE; SEQUENCES; FIDELITY

12/K/11 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

09047251 PMID: 2196161

Sequence signals in eukaryotic upstream regions.

Nussinov R

Department of Molecular Medicine, Tel Aviv University, Israel.

Critical reviews in biochemistry and molecular biology (UNITED STATES)

1990, 25 (3) p185-224, ISSN 1040-9238 Journal Code: 8903774

Publishing Model Print

Document type: Journal Article; Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... GGCCAATCT is less frequent around -80. Sequence analysis of upstream

regions reveals that the underlined **yeast** UAS2 consensus sequence, TGATTGGT, is also very frequent at -80 in higher polymerase II-transcribed animal sequences. The underlined CCAAT box and **yeast** UAS sequences are complementary. Structural analysis suggests some symmetry in their DNA structures. Upstream of the **TATAAT** -rich region there is an abundance of GC sequences. Analysis of nucleotide tracts indicates that...

? s ((Lactic (w) bacteria) or Bacillus or ("E.coli") or (Escherichia (w) coli) or pseudomonas) not py>1997

Processing

Processed 10 of 25 files ...

Processing

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Completed processing all files

```
192501 LACTIC
2670107 BACTERIA
1200 LACTIC(W)BACTERIA
346649 BACILLUS
50 E.COLI
1237889 ESCHERICHIA
1322430 COLI
1227194 ESCHERICHIA(W)COLI
386864 PSEUDOMONAS
32453932 PY>1997
S13 1234591 ((LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR
(ESCHERICHIA (W) COLI) OR PSEUDOMONAS) NOT PY>1997
? s s13 and s3
1234591 S13
2 S3
S14 0 S13 AND S3
? s s13 and (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (W) LIBRARY)
1234591 S13
351 TATAAT
263 TTGACA
360431 ACTIVATOR
666649 PROMOTER
401544 LIBRARY
129 PROMOTER(W)LIBRARY
S15 0 S13 AND (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER
(W) LIBRARY)
? s s13 and (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (n) set)
```

```

1234591 S13
351 TATAAT
263 TTGACA
360431 ACTIVATOR
666649 PROMOTER
1340919 SET
45 PROMOTER(N)SET
S16 0 S13 AND (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (N)
SET)

```

? ds

```

Set      Items  Description
S1      360935  (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W) ACTIVA-
TOR) OR (UAS) OR UASGCN4P OR GCN4P) OR (TATAAT OR TTGACA OR A-
CTIVATOR)
S2      2      (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W) ACTIVA-
TOR) OR (UAS) OR UASGCN4P OR GCN4P)
S3      2      (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (W) LIBRARY)
S4      1805587 3 AND (LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR (-
ESCHERICHIA (W) COLI) OR PSEUDOMONAS
S5      1805406 S3 AND (LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR -
(ESCHERICHIA (W) COLI) OR PSEUDOMONAS
S6      1233886 S5 NOT PY>1997
S7      812452  YEAST OR (SACCHAROMYCES (W) CEREVISIAE) OR ("S.CEREVISIAE")
OR (SACCHAROMYCES)
S8      17568   S7 AND S1
S9      9697    S8 NOT PY>1997
S10     526     (PROMOTER (W) LIBRARY) AND ((TATA) OR (UPSTREAM (W)ACTIVAT-
OR) OR (UAS) OR UASGCN4P OR GCN4P) OR (TATAAT OR TTGACA)
S11     14      (S10 AND S7) NOT PY>1997
S12     13      RD (unique items)
S13     1234591 ((LACTIC (W) BACTERIA) OR BACILLUS OR ("E.COLI") OR (ESCHE-
RICHIA (W) COLI) OR PSEUDOMONAS) NOT PY>1997
S14     0       S13 AND S3
S15     0       S13 AND (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (W)
LIBRARY)
S16     0       S13 AND (TATAAT OR TTGACA OR ACTIVATOR) AND (PROMOTER (N) -
SET)

```

? save temp

Temp SearchSave "TC68895182" stored

? logoff

```

16jun05 11:02:50 User276741 Session D10.2
$15.96 2.706 DialUnits File5
$0.00 1 Type(s) in Format 6
$0.00 1 Types
$15.96 Estimated cost File5
$56.84 2.567 DialUnits File34
$12.86 2 Type(s) in Format 3
$0.00 5 Type(s) in Format 8
$12.86 7 Types
$69.70 Estimated cost File34
$1.05 0.257 DialUnits File35
$1.05 Estimated cost File35
$0.90 0.126 DialUnits File40
$0.90 Estimated cost File40
$3.14 0.683 DialUnits File50
$3.14 Estimated cost File50
$3.90 1.039 DialUnits File65
$3.90 Estimated cost File65
$7.57 0.865 DialUnits File71
$7.57 Estimated cost File71

```

```

$14.81      1.393 DialUnits File73
$0.00      1 Type(s) in Format  6
$0.00      1 Types
$14.81 Estimated cost File73
$0.44      0.101 DialUnits File91
$0.44 Estimated cost File91
$1.76      0.503 DialUnits File94
$1.76 Estimated cost File94
$1.06      0.251 DialUnits File98
$0.00      2 Type(s) in Format  8
$0.00      2 Types
$1.06 Estimated cost File98
$0.58      0.101 DialUnits File110
$0.58 Estimated cost File110
$0.74      0.137 DialUnits File135
$0.74 Estimated cost File135
$0.83      0.277 DialUnits File143
$0.83 Estimated cost File143
$7.78      1.729 DialUnits File144
$0.00      1 Type(s) in Format  8
$0.00      1 Types
$7.78 Estimated cost File144
$6.49      1.909 DialUnits File155
$0.21      1 Type(s) in Format  3
$0.00      3 Type(s) in Format  8
$0.21      4 Types
$6.70 Estimated cost File155
$0.35      0.099 DialUnits File164
$0.35 Estimated cost File164
$1.21      0.114 DialUnits File172
$1.21 Estimated cost File172
$1.34      0.217 DialUnits File185
$1.34 Estimated cost File185
$8.06      0.383 DialUnits File357
$8.06 Estimated cost File357
$0.35      0.099 DialUnits File369
$0.35 Estimated cost File369
$0.30      0.085 DialUnits File370
$0.30 Estimated cost File370
$0.00      0.116 DialUnits File391
$0.00 Estimated cost File391
$6.23      0.282 DialUnits File434
$0.00      1 Type(s) in Format  8
$0.00      1 Types
$6.23 Estimated cost File434
$0.48      0.075 DialUnits File467
$0.48 Estimated cost File467
OneSearch, 25 files, 16.115 DialUnits FileOS
$7.73 TELNET
$162.97 Estimated cost this search
$163.02 Estimated total session cost 16.333 DialUnits

```

Logoff: level 05.05.00 D 11:02:50

You are now logged off